Form PTO-948 (Rev. 06/03)
Application No. _____ 09/735332

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12/12/00 _____ are:

A._____ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B._X_ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).
___ Color drawings are not acceptable until petition is granted. Fig(s)_____
___ Pencil and non black ink not permitted. Fig(s)____

2. PHOTOGRAPHS. 37 CFR 1.84(b)
___ One (1) full-tone set is required. Fig(s)_____
___ Photographs may not be mounted. 37 CFR 1.84(e)
___ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s)_____
___ Poor quality (half-tone). Fig(s)_____

3. TYPE OF PAPER. 37 CFR 1.84(e)
___ Paper not flexible, strong, white, and durable. Fig(s)_____
___ Erasures, alterations, overwritings. interlineations, folds, copy machine marks not accepted. Fig(s)_____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
21.0 cm by 29.7 cm (DIN size A4) or
21.6 cm by 27.9 cm (8 1/2x 11 inches)
___ All drawing sheets not the same size. Sheet(s)_____
___ Drawings sheets not an acceptable size. Fig(s)____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
_X_ Margins not acceptable. Fig(s) 12, 14A, 22H
___ Top (T) _X_ Left (L)
___ Right (R) ___ Bottom (B) 23H

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.
___Views not labeled separately or properly. Fig(s)_____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s)_____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)_____

9. SCALE. 37 CFR 1.84(k)
___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s)_____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s)_____

11. SHADING. 37 CFR 1.84(m)
___ Solid black areas pale. Fig(s)_____
___ Solid black shading not permitted. Fig(s)_____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
___ Numbers and reference characters not plain and legible. Fig(s)_____
___ Figure legends are poor. Fig(s)_____
___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s)_____
___ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)_____
___ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s)_____

13. LEAD LINES. 37 CFR 1.84(q)
___ Lead lines missing. Fig(s)_____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
___ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s)_____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)_____

16. DESIGN DRAWINGS. 37 CFR 1.152
___ Surface shading shown not appropriate. Fig(s)_____
___ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s)_____

COMMENTS:

Reviewer _____ Date 12/8/03

If you have questions, call (703) 305-8404. Attachment to Paper No. _____

Attachment for PTO-948 (Rev. 03/01. or earlier)
6/18/01

The below text replaces the pre-printed text under the heading.
"Information on How to Effect Drawing Changes." on the back
of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein
Identifying indicia. if provided. should include the title of the invention
inventor's name. and application number. or docket number (if any) if an
application number has not been assigned to the application If this information is
provided. it must be placed on the front of each sheet and centered within the top
margin. If corrected drawings are required in a Notice of Allowability (PTOL-
37). the new drawings MUST be filed within the THREE MONTH shortened
statutory period set for reply in the Notice of Allowability Extensions of time
may NOT be obtained under the provisions of 37 CFR 1 136(a) or (b) for filing
the corrected drawings after the mailing of a Notice of Allowability The
drawings should be filed as a separate paper with a transmittal letter addressed to
the Official Draftsperson

2. Corrections other than Informalities Noted by Draftsperson on form PTO-
948.

All changes to the drawings. other than informalities noted by the Draftsperson.
MUST be made in the same manner as above except that. normally. a highlighted
(preferably red ink) sketch of the changes to be incorporated into the new
drawings MUST be approved by the examiner before the application will be
allowed. No changes will be permitted to be made other than correction of
informalities. unless the examiner has approved the proposed changes

Timing of Corrections

Applicant is required to submit the drawing corrections within the
time period set in the attached Office communication See 37 CFR
1.85(a)

Failure to take corrective action within the set period will result in
ABANDONMENT of the application.